

FIGURE 1

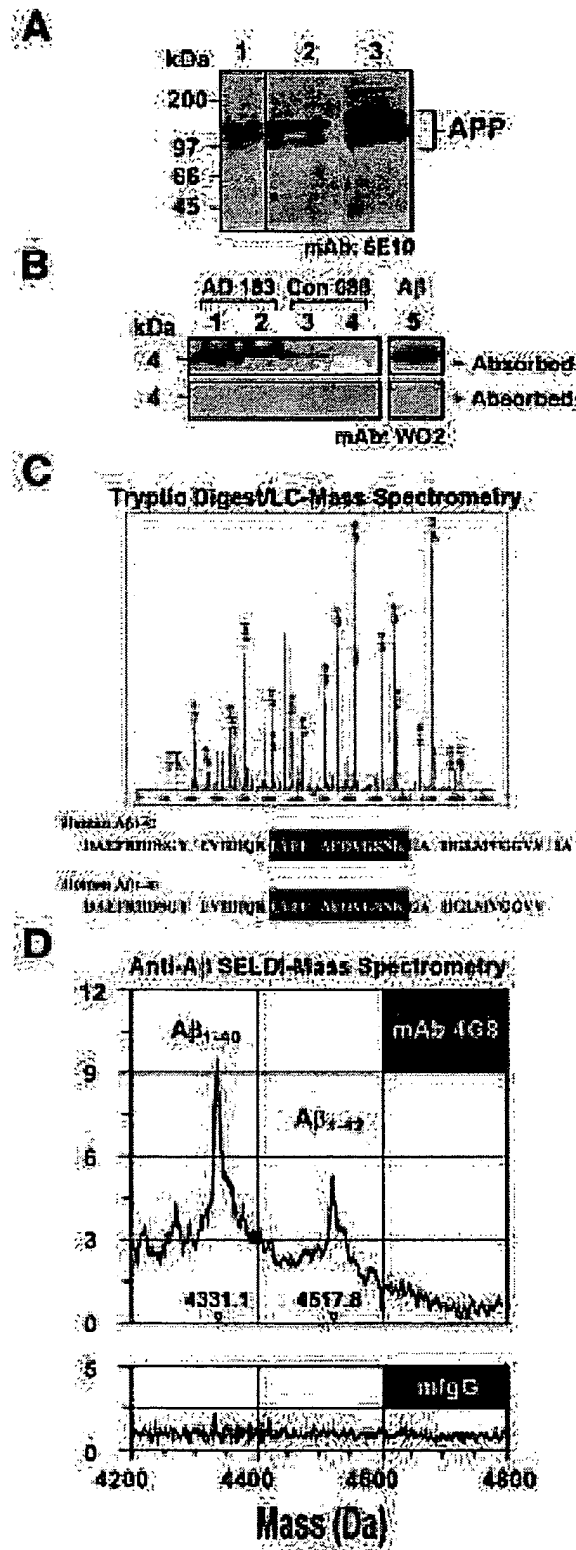


FIGURE 2

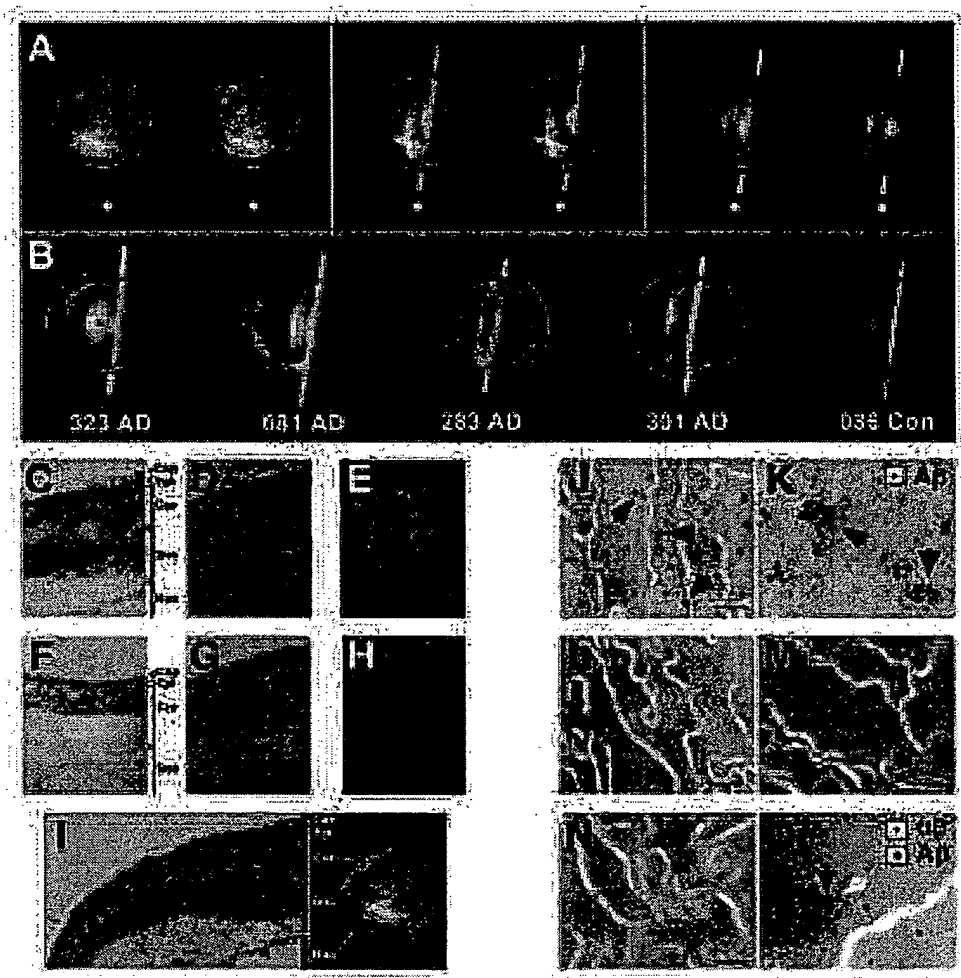


FIGURE 3

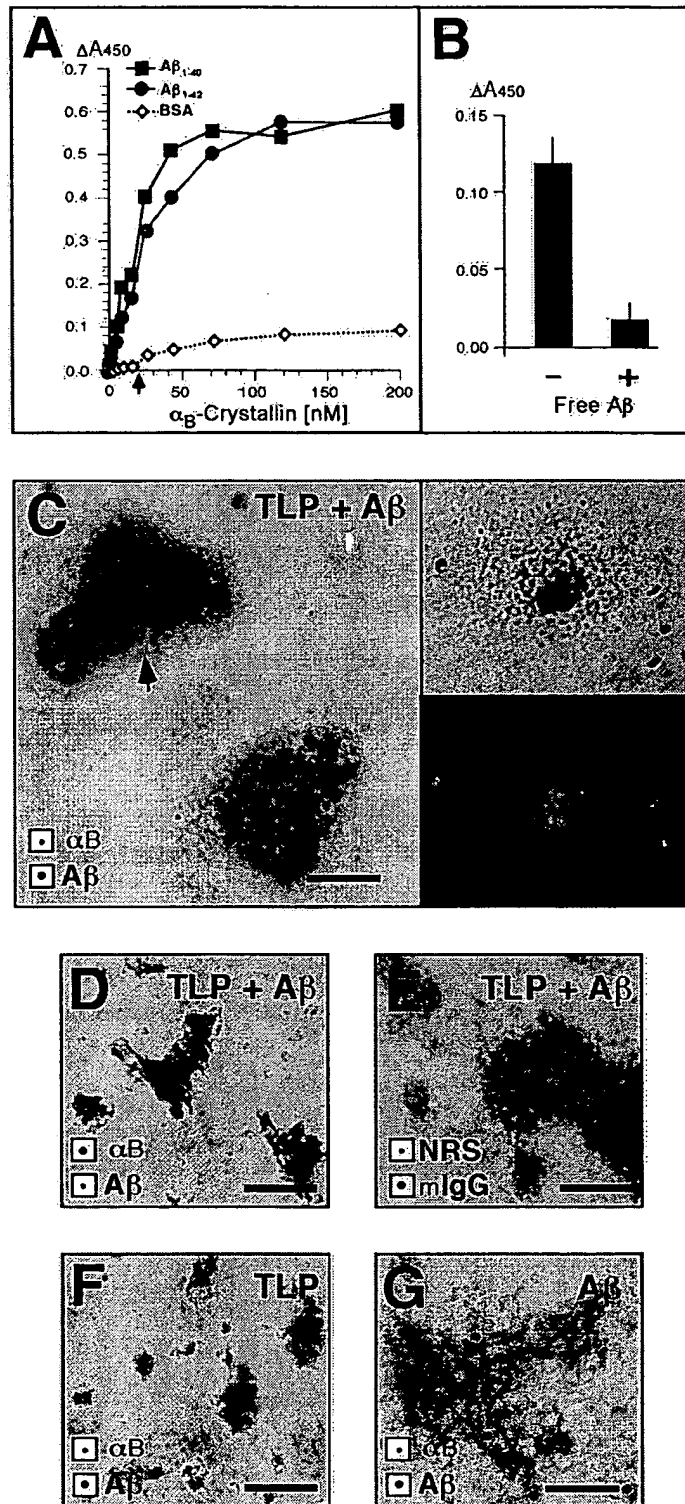
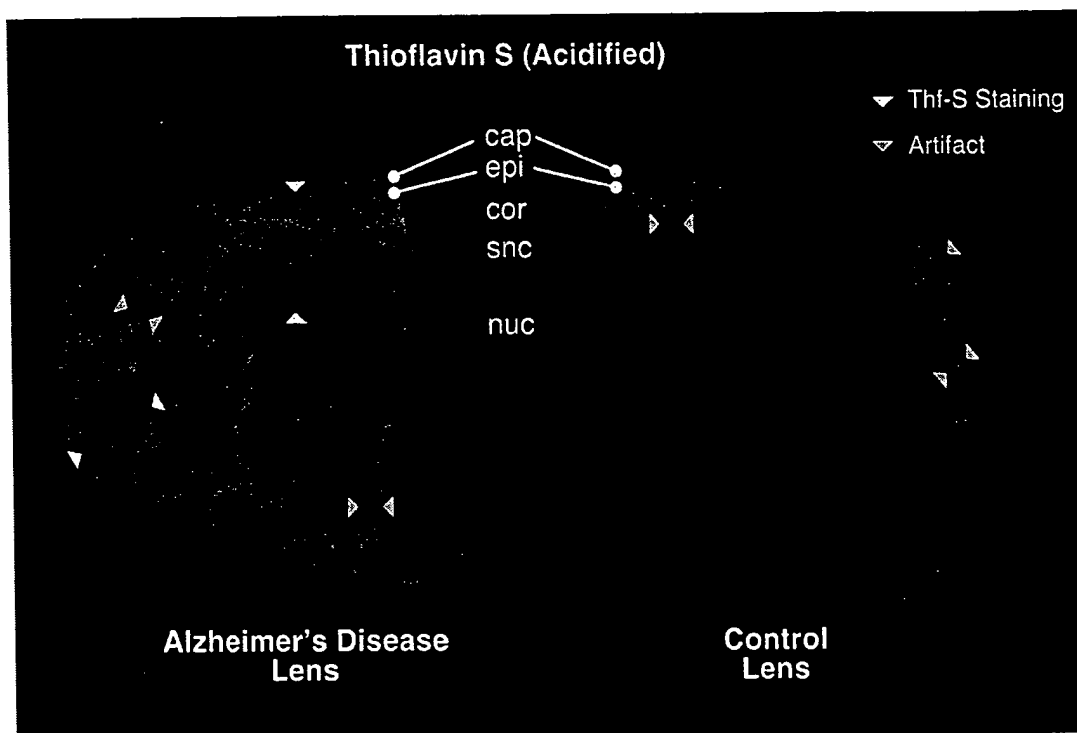
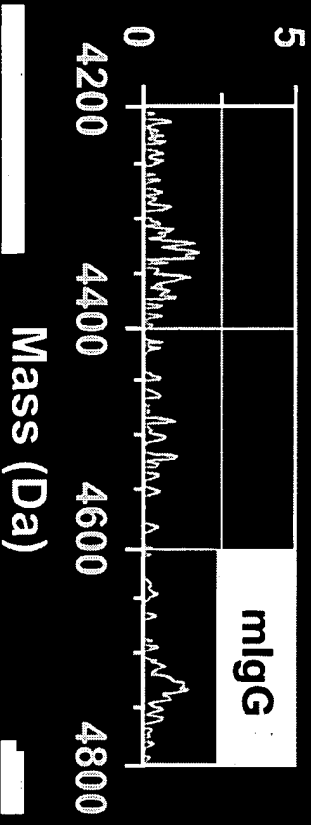
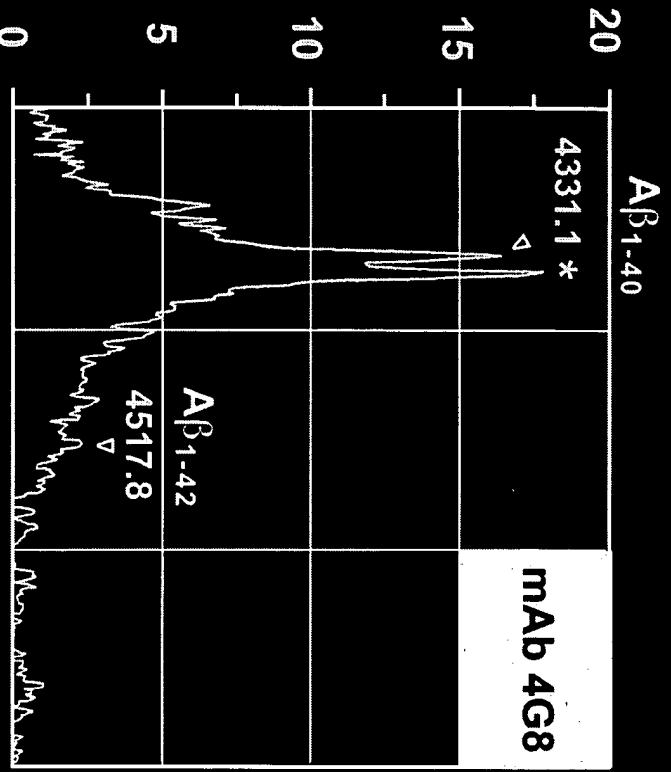


Fig. 4



# Biochemical Confirmation of Aβ in Human Aqueous Humor

## Anti-Aβ SELDI Mass Spectrometry



- Primary Aqueous Humor
- Aq Humor [Aβ] ~29.0 µg/L
- Aβ<sub>40</sub> & oxidized Aβ (Aβ<sub>40</sub>)<sub>ox</sub>
- Aβ<sub>40</sub> (Aβ<sub>40</sub>)<sub>ox</sub> >> Aβ<sub>42</sub>
- Aβ secreted by lens epithelium

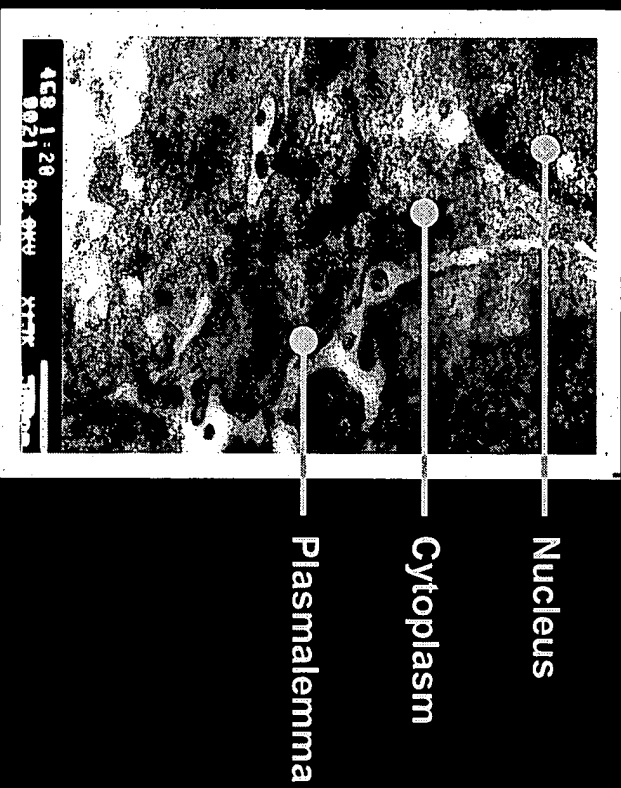
Fig. 5A

Fig. 5B

Fig. 6

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**B3 Lens Epithelial Cells (LEC)**  
(Anti-A $\beta$  Immunogold EM)



- A $\beta$  is undetectable in LEC cytosol
- LEC secrete A $\beta$  (CM  $\sim 175 \pm 17$  pg/ml)
- Express LRP, internalize A $\beta$  and A $_2$ M\*  
(RAP inhibitable)